

**Figure 1**

Polynucleotide sequence of Human BMP2A gene (gi: 179501 and 4557368) (SEQ ID NO:1)  
(Coding sequence: 324 – 1514)

**Figure 2**Polypeptide sequence of human BMP2A (SEQ ID NO:2 = translation of SEQ ID NO:1)

5        1    MVAGTRCLLA LLLPQVLLGG AAGLVPELGR RKFAAASSGR  
41      41    PSSQPSDEVL SEFELRLLSM FGLKQRPTPS RDAVVPPYML  
81      81    DLYRRHSGQP GSPAPDHRLR RAASRANTVR SFHHEESLEE  
121     121   LPETSGKTTR RFFFNLSSIP TEEFITSAEL QVFREQMQDA  
161     161   LGNNSSFHHR INIYEIIKPA TANSKFPVTR LLDTRLVNQN  
10       201   ASRWESFDVT PAVMRWTAQG HANHGFVVEV AHLEEKQGVS  
241     241   KRHVRISRSL HQDEHSWSQI RPLLVTFGHD GKGHPLHKRE  
281     281   KRQAKHKQRK RLKSSCKRHP LYVDFSDVGW NDWIVAPPGY  
321     321   HAFYCHGECP FPLADHLNST NHAIQTLVN SVNSKIPKAC  
361     361   CVPTELSAIS MLYLDENEKV VLKNYQDMVV EGCGCR

**Figure 3**  
Results of a loss of function validation experiment

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